



\* monitor not included



60 120 PPS

4 and 16  
CHANNELS

*The XVR series  
offers up to 120 PPS  
recording speeds!*

## Advanced Digital Recording

- Available in 4 and 16 channel configurations.
- 60/120 PPS recording. (Up to 30 PPS per camera.)
- Quick and easy search methods reduce the overall time spent locating an event.
- Multiple file formats for video export.
- Optional looping output for each camera. \*
- Increased PPS recording on alarm events.
- Analog recording resolutions as high as 720 x 480.
- Complete remote access, setup control, user administration, video backup, live viewing, and powerful search capabilities.
- Multi-Site SCS software. The SCS software remotely manages 100+ DVRs allowing you to configure, view, search, export, remotely upgrade, and monitor alarms. Supports multiple monitors.
- DVD±RW included for high volume backup.

\*Standard on 16 channel systems only, not available on 4 channel system

# XVR SERIES

## Digital Video Recorder

	4CH 120PPS	16CH 60PPS	16CH 120PPS
Video Format		NTSC / PAL	
Video Inputs	4 (BNC)	16 (BNC)	16 (BNC)
Video Outputs	SVGAx1 (Primary Display), RCAx1 (Spot Monitor)		
Looping Outputs	0	16 (BNC)	16 (BNC)
Resolutions / Recording Rate	120 PPS 360x240 120 PPS 720x240 60 PPS 720x480	60 PPS 320x240 60 PPS 640x240 30 PPS 640x480	120 PPS 320x240 120 PPS 640x240 60 PPS 640x480
Live Viewing Rate	120 PPS	60 PPS	120 PPS
Audio Recording	RCA x 4	RCA x 2	
Sensor/Alarm Inputs	4 (NO/NC)	16 (NO/NC)	16 (NO/NC)
Alarm Outputs	4	16	16
PTZ Controls	Internal RS-422/485 (over 75 Protocols)		
Image Compression	Proprietary MJPEG		
Internal Storage	Up to 2 TB Internally		
LAN	10/100 Fast Ethernet (1000 optional)		
Average Image Size	720 x 480 7~12K 720 x 240 4~8k 360 x 240 3~5k		
Critical Recording Archive	DVD Multi Burner, USB, Network		
Password Control	User Defined Access Level		
Power Interruption Recovery	Automatic restart after power interruption/recording operation resume		
Remote Connection	TCP/IP, UDP, Internet, LAN, WAN, ISDN, PSTN		
Power Input	AC 100~240 V Input (50 Hz/60 Hz)		
Weight	35- 38 lbs		
Mounting Rack	3U Rack Mount Chassis		
Dimensions (L/W/H)	18.3" (465 mm) / 17.4" (440 mm) / 5.3" (133 mm)		

Specifications subject to change without notice

The Toshiba Surveillix® XVR series of DVRs sets the standard for user friendly, high definition digital recorders.

With intuitive setup menus, easy to configure recording schedules, and 4 intelligent search options, XVR Series DVRs are a hassle free solution for your recording needs.

XVR systems come equipped with up to 2 Terabyte internal storage, recording speeds up to 120 pictures per second, looping video outputs, and a DVD+RW standard.

## MAIN FEATURES

- Storage capacity up to 2 TB.
- Motion activated increased PPS recording.
- Alarm activated increased PPS recording.
- PAN / TILT / ZOOM controls (over 75 protocols supported).
- Simultaneous search, playback and backup.
- Up to 16 audio input channels.
- Multiple levels of security access.
- Output the video to an NTSC / PAL display. \*
- Up to 16 looping outputs.
- Continuous, motion detection and alarm recording modes.
- Video signal loss detection.
- Digital signature verification for tamper detection of exported video.
- Supports upgrades of up to 4 channels of network based video (HVRUPG1).

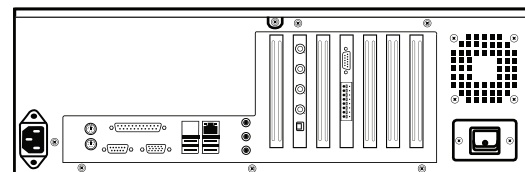
\* SVGA monitor is required for setup and maintenance

## SOFTWARE SOLUTIONS

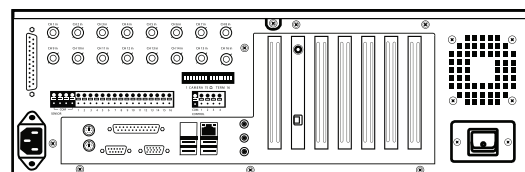
- Remote Software (connects to one DVR at a time)
- Emergency Agent (alarm management)
- Backup Viewer (plays exported video in its proprietary format)
- SCS Software (multi-site management)

## CONFIGURATIONS

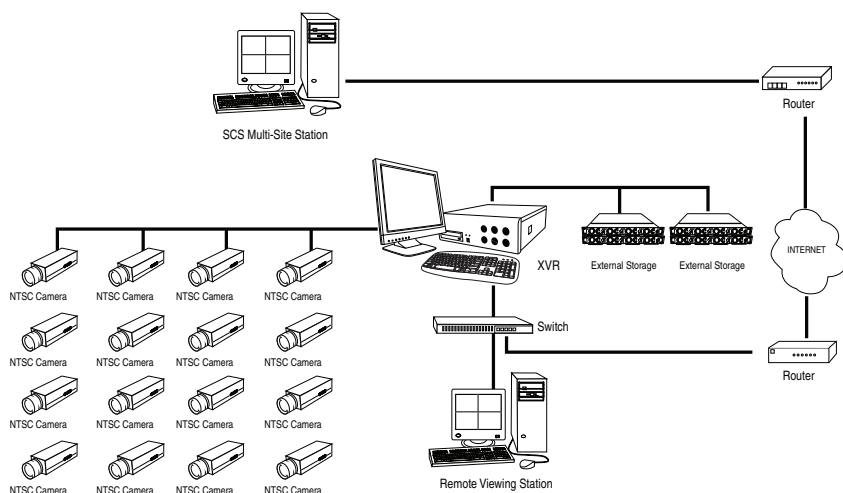
4 Channel Rear View



16 Channel Rear View



## SAMPLE XVR SITE CONFIGURATION



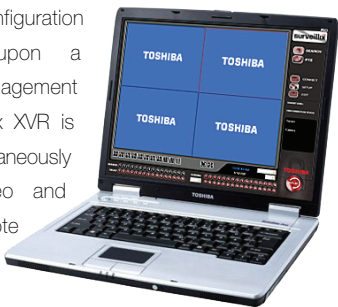
## CONFIGURATION

The Surveillix XVR is a highly customizable recorder that allows users to easily configure their unit to their exact specifications.

- Custom Recording Schedules
- User Management and XVR Administration Configuration
- Custom Camera Setup and Configuration
- Custom Motion Setup (Up to Five Motion Regions Per Camera)
- Frame Rate and Resolution Setup
- Specialized Recording Schedule Based on Date, Time and Type of Recording
- Advanced PTZ Camera Configuration
- Alarm Setup and Sensor Configuration

## REMOTE VIEWING

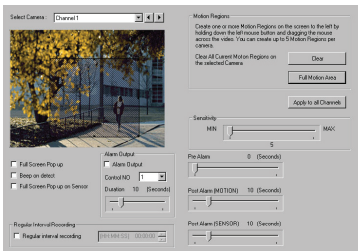
Easily connect to your XVR system by utilizing the XVR Remote Software. The Surveillix XVR Remote Software allows multiple remote users to view, search, index, and backup video through any network or dial-up connection. Remote users may also be granted system configuration privileges based upon a customized User Management Interface. The Surveillix XVR is also capable of instantaneously transmitting live video and notification to remote users upon sensor and alarm.



## MOTION DETECTION

The XVR is a highly scalable recording system which allows users to setup motion detection in seconds. The XVR software gives users the ability to specify regions on camera feeds that

will detect motion. When movement is detected in a motion region, the XVR system automatically begins recording. Motion detection is a perfect



solution for cameras that contain both off limit areas and areas that consistently have movement.

## EMERGENCY AGENT

The Surveillix Emergency Agent software is a powerful, secure way to manage your Alarm inputs. View alarms as they come in, conveniently search previous alarms, and easily organize events. The Emergency Agent is available as a standalone version which can be kept invisible until an alarm has been activated, or in a version that is incorporated into the optional SCS Multi-Site Software.

## ADVANCED SEARCHING CAPABILITIES

The XVR digital video recorder offers several robust options that allow users to easily search and find a particular section of recorded video. The XVR Search screen contains all the tools necessary to find the particular video you need, including basic player controls, audio channel selection, time and date controls and advanced controls for fine tuning searches. The XVR Search screen also allows users to easily backup and print recorded video in seconds.



Searching recorded video with the XVR is also a snap with its different types of search features. Search recorded video with Object Search, Preview Search, Index Search or Graphic Search. From Motion/Sensor indexing to calendar views that highlight days with recorded video, the XVR system is equipped to help users quickly and easily find a specific video or event.

## LIVE VIEWING

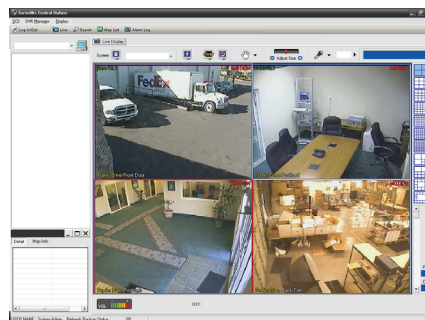
Each time your XVR digital video recorder starts, you are automatically connected to your Live Video Display screen. The Display screen shows users connected cameras and displays the recording type, recording status, camera number and name of each camera. The connected cameras can be easily placed in user defined screen divisions, in groups such as 2x2, 3x3 and 4x4. The Display screen is a jump off point for searching recorded video, backup, PTZ



Controls and setup on the XVR system. The Display screen also gives users the power to activate relays and view the status of each sensor. Users can easily search through video without leaving the Display screen. The Search In Live feature is activated by clicking the wheel button on the mouse and allows users to pause, rewind, and resume live video in seconds.

## SCS MULTI-SITE MONITORING

Toshiba's SCS (Surveillix Central Station) software is an optional video monitoring and management tool for multiple XVR systems. User-based controls allow you to monitor video and alarms, access and export recorded video, and perform maintenance on any connected Surveillix XVR. SCS allows users to utilize multiple monitors, giving them the ability to view



maps, alarms and live video all at the same time. The SCS software even allows users to import custom maps of the actual sensor and camera locations. The SCS software uses standard TCP connections to communicate to each XVR, meaning most locations can simply use their existing network to take advantage of the benefits the SCS Software has to offer.



# ORDERING INFORMATION

1	2	3	4
XVR	Number of Channels	Pictures Per Second	Storage Size
	4	60PPS	250GB
	16	120PPS	500GB
			750GB
			1TB

① Model Type of the Recorder

② Number of Channels Available

③ Amount of Pictures Per Second (PPS)

④ Storage Sizes Available

## 4 Channel (120PPS)

- XVR4-120-250
- XVR4-120-500
- XVR4-120-750
- XVR4-120-1000

## 16 Channel (60PPS)

- XVR16-60-250
- XVR16-60-500
- XVR16-60-750
- XVR16-60-1000

## 16 Channel (120PPS)

- XVR16-120-250
- XVR16-120-500
- XVR16-120-750
- XVR16-120-1000

## 4 Channel (120PPS)

### XVR4-120-250

4 channel at 120 PPS with 250GB of storage

### XVR4-120-500

4 Channel at 120 PPS with 500GB of Storage

### XVR4-120-750

4 Channel at 120 PPS with 750GB of Storage

### XVR4-120-1000

4 Channel at 120 PPS with 1TB of Storage

## 16 Channel (60PPS)

### XVR16-60-250

16 Channel at 60 PPS with 250GB of Storage

### XVR16-60-500

16 Channel at 60 PPS with 500GB of Storage

### XVR16-60-750

16 Channel at 60 PPS with 750GB of Storage

### XVR16-60-1000

16 Channel at 60 PPS with 1TB of Storage

## 16 Channel (120PPS)

### XVR16-120-250

16 Channel at 120 PPS with 250GB of Storage

### XVR16-120-500

16 Channel at 120 PPS with 500GB of Storage

### XVR16-120-750

16 Channel at 120 PPS with 750GB of Storage

### XVR16-120-1000

16 Channel at 120 PPS with 1TB of Storage

# SYSTEM UPGRADES

## SCSI-UPG

SCSI Card with External Adaptor

## 16-AUD

16 Channel Audio Recording

## 4CH-VOUT

4 Channel Analog Video Output

## GB-NIC

Gigabit Ethernet

## PW-UPS

Battery Backup & Surge Suppressor

## NP-FM56USB

External Modem

## 1TBEXT-HDD

1U SCSI (IDE) 1TB External Storage

## 2TBEXT-HDD

1U SCSI (IDE) 2TB External Storage

## 4TBEXT-R5-HDD

3U SCSI 4TB RAID 5 External Storage

## 5TBEXT-R5-HDD

3U SCSI 5TB RAID 5 External Storage

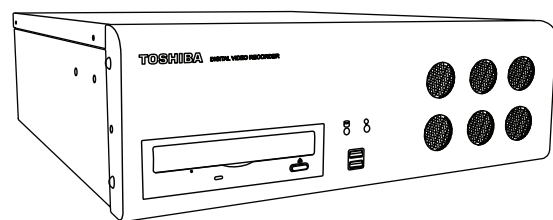
## 8TBEXT-R5-HDD

3U SCSI 8TB RAID 5 External Storage

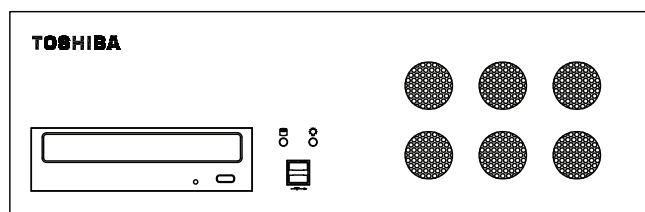
## HVRUPG1

4 Ch. Hybrid Video Upgrade

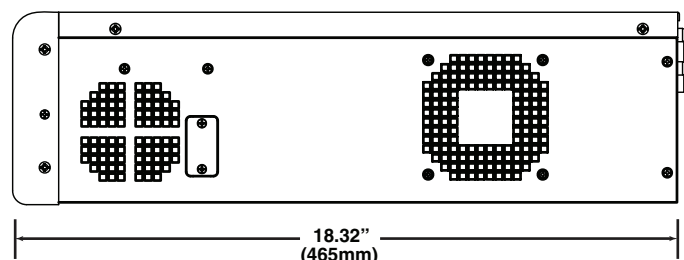
# DIMENSIONS



Front



Side



Back

